

Nu-Metrics Traffic Analyzer Study

Computer Generated Summary Report

City: 125' from speed hump

Street: Mclean Ave. #25 Red

A study of vehicle traffic was conducted with HI-STAR unit number 6330. The study was done in the North Bound lane on Mclean Ave. #25 Red in 125 ft. south from the speed hump. The study began on 01/20/2004 at 04:00 PM and concluded on 01/23/2004 at 12:00 PM, lasting a total of 68 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 1,860 vehicles passed through the location with a peak volume of 98 on 01/20/2004 at 05:00 PM and a minimum volume of 0 on 01/21/2004 at 01:00 AM. The AADT Count for this study was 656.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1							
0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 >
0	10	127	416	609	337	100	43

At least half of the vehicles were traveling in the 25 - 29 mph range or a lower speed. The average speed for all classified vehicles was 27 mph with 66.3 percent exceeding the posted speed of 25 mph. The HI-STAR found 8.71 percent of the total vehicles were traveling in excess of 35 mph. The mode speed for this traffic study was 25 mph and the 85th percentile was 33.47 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2							
0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
1584	40	18	0	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,624 which represents 98.90 percent of the total classified vehicles. The number of Small Trucks in the study was 18 which represents 1.10 percent of the total classified vehicles. The number of Trucks/Buses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 01/20/2004 at 05:00 PM the average headway between the vehicles was 36.36 seconds. The slowest traffic period was on 01/21/2004 at 01:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 23 and 39 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.